



COLD FLEXIBILITY

-10 °C

POLYBASE APP

POLYBASE are special polyester faced APP polymer modified bituminous underlayments composed by a glassfiber-reinforced bituminous felt factory bonded to a non-woven polyester fleece.



Guaranteed Quality
UNI EN ISO 9001:2008 and
UNI EN ISO 14001:2004



All year membranes



Product in compliance
with European Standards



Easily flamed non-stick
polyethylene film



Polyglass is a member of
Green Building Council



Manufacturers of
Bitumen Distillate
Polymer Membranes



Bituminous membrane
polymeric matrix
ageing control

ROOFING AND WATERPROOFING SYSTEMS

POLYGLASS® Q

MAPEI
GROUP

Adds value!



TECHNICAL DESCRIPTION

POLYBASE are special polyester faced APP polymer modified bituminous underlayments composed by a glassfiber-reinforced bituminous felt factory bonded to a non-woven polyester fleece. **POLYBASE** are manufactured with an upperside made of talc or very fine sand, while the underside is made of a non-woven polyester fleece, except the 5 cm side, which is protected by **POLYFLAM EasyTorch** for the overlapping area (roll width 1,05 m). **POLYBASE** are used as vapour retarder, vapour spreader or as separating layer. Thanks to their double reinforcement, **POLYBASE** sheets have a good mechanical and tearing resistance, as well as dimensional stability.

POLYBASE membranes are manufactured following the guidelines of **NAT®** system, an innovative manufacturing process allowing a remarkable slowdown of the product ageing and boosting their service life.

DESTINATION

PRODUCT	SINGLE LAYER		MULTI-LAYER				ROOT BARRIER	VAPOUR BARRIER	FOUNDATIONS		UNDER ROOFING TILE
	E.	U.H.P.	F.L.		U.L.				R.D.	GW.	
			E.	U.H.P.	E.	U.H.P.					
APP 2 mm					•	•					
APP 3 mm					•	•					
APP 2 kg					•						

F.L.: Finishing Layer - U.L.: Underlying Layer - R.D.: Rising Damp - GW.: Groundwater - E.: Exposed - U.H.P.: Under Heavy Protection

APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

POLYBASE, available in different versions, are plastomeric (APP) modified bituminous membranes recommended for multi-layer systems. Working as vapour controllers and/or regularization layers, they can be installed by mechanical fixing system (along the overlaps) or fully adhered system, using PU glues (see Polyglass products, named ADEPUR or POLYGLUE PU 2K). **POLYBASE** must be always covered by Polyglass cap-sheet waterproofing membranes suitable for exposed systems. Before the application the deck must be dry, clean and sufficiently smooth. **POLYBASE** can be applied on timber decks (nails fixing), corrugated metal decks (screws fixing), ballasted concrete roofs (loose laid), light trafficable roofs (spot bonded with glue or hot bitumen) and all surfaces insulated with roof-boards. According to the climate conditions the installer must select the available versions (the SBS version is available on demand only).



Sand



Talc

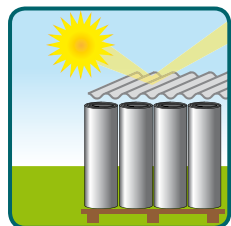


Polyester fleece

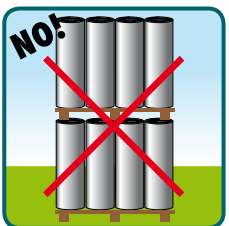
STOCKING

Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature is excessively low or high, avoid stamping (shoes with crampons, small objects or sharp edges).

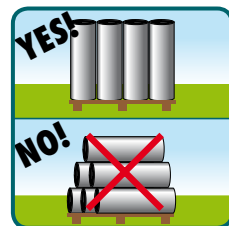
For further information contact Polyglass SpA Technical Office.



Keep out of direct sunlight



Avoid stocking pallets without evenly distributing the load



Keep the rolls standing



Absolutely avoid puncturing the product.

POLYBASE APP

Rev. 1/15

TECHNICAL SPECIFICATINS

TEST METHOD	TECHNICAL CHARACTERISTICS	UNIT OF MEASURE	NOMINAL VALUES	NOMINAL VALUES
EN 1848-1	LENGTH	m	≥10	
EN 1848-1	WIDTH	m	≥1	
EN 1848-1	STRAIGHTNESS	mm/10 m	≤10	
EN 1849-1	THICKNESS	mm	3 (±0,2)	
EN 1849-1	MASS PER UNIT AREA	kg/m ²	-	
EN 1928-B	WATERPROOFING	kPa	≥60	
EN 13501-5	EXTERNAL FIRE PERFORMANCE	-	NPD	
EN 13501-1	REACTION TO FIRE	Euroclass	F	
EN 13897	WATERPROOFING QUALITIES AFTER ELONGATION AT LOW TEMPERATURES	%	NPD	
EN 12316	PEEL RESISTANCE	N/50 mm	NPD	
EN 12317	SHEAR RESISTANCE	N/50 mm	NPD	
EN 12311-1	TENSILE PROPERTIES			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	600 (-20%)	
	Transversal	N/50 mm	250 (-20%)	
EN 12311-1	ELONGATION AT BREAK			
	Longitudinal	%	4 (-2)	
	Transversal	%	4 (-2)	
EN 12691-A	RESISTANCE TO IMPACT	mm	≥500	
EN 12730-A	RESISTANCE TO STATIC LOADING	kg	NPD	
EN 12310-1	RESISTANCE TO TEARING			
	Longitudinal	N	230 (-30%)	
	Transversal	N	130 (-30%)	
EN 1107-1	DIMENSIONAL STABILITY	%	NPD	
EN 1108	FORM STABILITY UNDER CYCLIC TEMPERATURE CHANGE	mm	-	
EN 1109	COLD FLEXIBILITY	°C	≤-10	
EN 1110	FLOW RESISTANCE AT ELEVATED TEMPERATURE	°C	≥110	
EN 1109	ARTIFICIAL AGEING BEHAVIOUR (COLD FLEXIBILITY)	°C	NPD	
EN 1296	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	-	
EN 1110	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	-	
EN 1296	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	-	
EN 1297	ARTIFICIAL AGEING BY LONG TERM EXPOSURE TO THE COMBINATION OF UV RADIATION, ELEVATED TEMPERATURE AND WATER	-	-	
EN 12039	ADHESION OF GRANULES	%	-	
EN 1931	WATER VAPOUR PROPERTIES	μ	20000	
EN 1850-1	VISIBLE DEFECTS	-	Absent	

In compliance with EN 13707 products standards (layers for roofing) .

DIMENSIONS - PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m ²	DIMENSIONS m
POLYBASE APP	2	-	1x15
POLYBASE APP	3	-	1x10
POLYBASE APP	-	2	1x20

Considering the various situations of use, the numerous types of support surfaces and the possibilities for use inside COMPLEX WATERPROOF LAYERING, Polyglass SpA cannot assume any liability for damages derived from the product's results in terms of function or aesthetics.



FLAT ROOF WITH PEDESTRIAN ACCESS



FLAT ROOF WITH LIMITED ACCESS



PROFILED METAL DECKS



INDUSTRIAL SAWTOOTH ROOFS



CURVED ROOFS



PITCHED ROOFS



FOUNDATIONS



UNDERGROUND CAR PARK



RAISED CAR PARK



ROOF GARDENS



BRIGDES AND VIADUCTS



RESERVOIRS AND CANALS



GALLERY AND TUNNEL



RENEWAL WATERPROOFING CONVERING ONLY
RELINING WITH INSULATING MATERIAL
SPECIAL RE-ROOFING WORK



DETAILS



SPECIAL ROOFS

Rev. 1/15

WATERPROOFING MEMBRANES

Rev. 1/15

POLYGLASS SPA reserves the right to make any and all modifications required for the ongoing perfection of the product without notice.



Adds value!

POLYGLASS SPA

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